# Project Summary Sheet

Project Name: Indian Valley Flood Corridor Enhancement Project: Phase 1.
Tracking No: 4031

Location: Indian Creek between East Stampfli Bridge and Indian Creek/Wolf Creek confluence in Indian Valley, near Greenville and Crescent Mills.

County: Plumas

Project Sponsor: Plumas County Public Works

Point of Contact: Tom Hunter, Public Works Director (530) 283-6268

Co-applicant(s): None

Assembly District: #3 Senate District: #1

Project Description (including size):
Plumas County proposes implementing an upper watershed project originally included in their Indian Valley Water Resources Management Plan to address recurrent flooding. This proposed project includes setback levees from Stampfli Bridge downstream along Indian Creek to a point where a south-side levee is already set back (approximately 5000 feet). Bank stabilization and revegetation will be included along this entire reach. The project will extend laterally as much as 500 feet from the current stream channel along most of the reach of Indian Creek

Flood Benefits:
The project is anticipated to reduce peak flood elevations by providing set back levees. Presently, peak flood elevation reductions from the proposed project are anticipated to be in the range of about 0.5 foot. This will be more accurately quantified during the hydraulic and hydrologic analysis to be undertaken in conjunction with project design. The analysis and design efforts will also include evaluation of potential impacts on upstream and downstream landowners. Preliminary analysis indicates that impacts on any upstream, downstream, or adjacent properties will be either negligible or beneficial.

Agricultural Benefits:
The project is anticipated to reduce the impacts of periodic flooding in the project area directly adjacent to Indian Creek by setting back levees and creating a more natural floodplain configuration to increase conveyance capacity and reduce peak flows. Existing impacts to agricultural lands include loss or damage to homes, out-buildings, and fences; bank erosion and soil loss; damage to water delivery canals, pumps, and other agricultural infrastructure; and degraded water quality in Indian Creek from high sediment loads. Fields typically need re-leveling

following flood events. In addition, debris must be removed, and fences must be repaired at great expense to landowners.

Agricultural Land Conserved, if any: None

Wildlife Benefits:
The stream restoration measures proposed by the project will serve to improve both the foraging habitat for the raptors and the nesting habitat for the cranes. Concurrently, restoration of the degraded riparian habitat will add to the overall species diversity in the project area by generally improving the “edge” and ecotone qualities offered by the juxtaposition of a Sierran mixed conifer forest habitat and that of an open grassland/alluvial floodplain.

Restoring riparian and aquatic habitats at this site will help to improve water quality by reducing erosion and sedimentation and decreasing water temperature as riparian vegetation returns to provide shade. This will provide water quality benefits downstream throughout the valley and beyond, as well as habitat for such valuable aquatic species as trout. Some shallow freshwater emergent wetland habitat also is expected to develop in areas of the restored floodplain, which represents habitat for numerous waterfowl species that are prevalent in the Indian Valley.

Wildlife Habitat Conserved if any: None

Total area conserved: N/A

Other Benefits:
Lower floodwater levels will improve access to Stampfli and Taylorsville-Greenville roads by reducing the frequency of inundation.

Total Cost: $ 3,804,000

FPCP Cost: $ 3,647,000

Funding Partners and Share of Cost:

Spurlock Easement - $72,000
NRCS PL566 Program Funds - $80,000
County In-Kind Project Management - 5,000